



Chemistry	US Units	Multiplied by	to get SI Units
Alk. Phos.	U/L	1	U/L
AST (SGOT)	U/L	1	U/L
ALT (SGPT)	U/L	1	U/L
Acetoacetic Acid	mg/dl	98	µmols/L
Acetone	mg/dl	172	µmols/L
Albumin	g/dl	10	g/L
Alcohol ethyl	mg/dl	0.22	mmol/L
Aldolase	U/dl	7.4	mU/L
Alpha-amino acid nitrogen	mg/dl	0.714	mmol/L
o-Aminolevulinic acid	mg/dl	76.3	µmol/L
Ammonia	µg/dl	0.554	µmol/L
Amylase	U/L	1	U/L
Argininosuccinic lyase	U/dl	10	U/L
Arsenic	µg/dl	0.13	µmol/L
Ascorbic acid	mg/dl	56.8	µmol/L
Base excess	mEq/l	1	mmol/L
Base total	mEq/l	1	mmol/L
Bicarbonate	mM	1	mmol/L
Bile acids	mg/dl	10	mg/L
Bilirubin total	mg/dl	17.1	µmol/L
Bilirubin direct	mg/dl	17.1	µmol/L
Bromide	mg/dl	0.125	mmol/L
BUN	mg/dl	0.357	mmol/L
Calcium	mg/dl	0.25	mmol/L
Carbon dioxide (CO <sub>2</sub> content)	mM	1	mmol/L
Carbon dioxide	mM	1	mmol/L
CO <sub>2</sub> combining power	mM	1	mmol/L
CO <sub>2</sub> partial pressure (Pco <sub>2</sub> )	HG	0.133	kPaa
Carbonic acid (H <sub>2</sub> CO <sub>3</sub> )	mM	1	mmol/L
Carotene - beta	µg/dl	0.0186	µmol/L
Ceruloplasmin	mg/dl	10	mg/l
Chloride	mEq/l	1	mmol/L
Cholesterol	mg/dl	0.026	mmol/L
Citrate	mg/dl	52	µmol/L
Copper	µg/dl	0.157	µmol/L
Cortisol	µg/dl	27.6	nmol/L
CPK	U/l	1	U/L
Creatinine	mg/dl	88.4	µmol/L
Creatinine clearance	ml/min.	0.0167	ml/s
Electrophoresis protein	gm/dl	10	g/L
Fats	neutral		
Fatty acids	mM	1	mmol/L
Ferritin	ng/ml	1	µg/L
Fibrinogen	mg/dl	0.01	mmol/L
Fluoride	ng/ml	0.53	nmol/L
Folate	ng/ml	2.27	nmol/L
Galactose	mg/dl	0.055	mmol/L
Gamma globulin	gm/dl	10	g/L



Globulin	gm/dl	10	g/L
Glucose	mg/dl	0.055	mmol/L
Glucose tolerance	mg/dl	0.055	mmol/L
Glucose 6-phosphate		1	μunits/cell
γ-Glutamyl transferase (GGT)	IU/l	1	U/L
Glutathione	mg/dl	0.032	mmol/L
Growth hormone	ng/ml	1	μg/L
Guanase	nM/ml/min	1	U/L
Haptoglobin	mg/dl	0.01	g/L
Hemoglobin (whole blood)	g/dl	10	g/L
Mass concentration	g/dl	0.6206	mmol/L
Hydroxybutyrate	U/ml	1	kU/L
17-Hydroxycorticosteroids	μg/dl	10	μg/L
Immunoglobulins	mg/dl	0.01	g/L
Insulin	μIU/ml	0.0417	μg/L
Insulin tolerance	mg/dl	0.055	mmol/L
Iodine	μg/dl	0.079	μmol/L
Iron total	μg/dl	0.179	μmol/L
Iron binding capacity	μg/dl	0.179	μmol/L
Isocitric dehydrogenase		0.0167	U/L
17-Ketosteroids	μg/dl	0.01	mg/L
Lactic acids (as lactate)	mg/dl	0.111	mmol/L
LDH	U/l	1	U/L
Lead	μg/dl	0.048	μmol/L
Leucine aminopeptidase	U/ml	0.24	U/L
Lipase	U/L	1	U/L
Lipids total	mg/dl	0.01	g/L
Luteinizing hormone (LH)	mIU/ml	0.23	mg/L
Macroglobulins	mg/dl	0.01	g/L
Magnesium	mEq/l	0.5	mmol/L
Methemoglobin	g/dl	10	g/L
Mucoprotein	mg/dl	0.01	g/L
Muramidase	mg/l		mg/l
Non-protein nitrogen (NPN)	mg/dl	0.714	mmol/L
Ornithine carbamyl transferase	mIU/ml	1	U/L
Osmolality	mOsm/kg	1	mmol/kg
Oxygen	Hg	0.133	kPa
pH	pH Units	1	pH Units
Phenylalanine	mg/dl	0.061	mmol/L
Phospholipid phosphorus	mg/dl	0.323	mmol/L
Phospholipids	mg/dl	0.01	g/L
Phosphorus	mg/dl	0.323	mmol/L
Potassium	mEq/l	1	mmol/L
Progesterone	ng/l	0.0318	nmol/l
Prolactin	ng/ml	1	μg/L
Protein total	g/dl	10	g/L
Protoporphyrin	μg/dl	0.018	μmol/L
Pyruvate	mg/dl	114	μmol/L
Salicylates	mg/dl	0.072	mmol/L



Sodium	mEq/l	1	mmol/L
Sulfate inorganic	mEq/l	0.5	mmol/L
Testosterone	ng/dl	0.035	nmol/L
Thyroxine (T4)	µg/dl	12.87	nmol/L
Thyroxine-binding globulin (TBG)	µg/dl	10	µg/L
Total CO <sub>2</sub>	mM	1	mmol/L
TSH	µU/ml	1	IU/L
Transferases	U/ml	0.48	U/L
Triglycerides	mg/dl	0.011	mmol/L
Urea clearance	ml/min	0.0167	ml/s
Uric acid	mg/dl	0.059	mmol/L
Vitamin A	µg/dl	0.035	µmol/L
Vitamin A tolerance	µg/dl	0.035	µmol/L
Vitamin B12	pg/ml	0.74	pmol/L
Unsaturated vitamin B12 binding capacity	pg/ml	0.74	pmol/L
Vitamin C	mg/dl	56.8	µmol/L
Xylose absorption	mg/dl	0.067	mmol/L
Zinc	µg/dl	0.153	µmol/L